

Math 212: Beginning Algebra - Spring 2016
De Anza College MLC108, T/Th 1:30am-3:45pm

Instructor	Office	Office Hours	E-mail
Lining Wang	E37	Th: 12:00--1:00pm or by appointment	wangjiayin@fhda.edu

Requisites: Qualifying score on the Math Placement Test within last calendar year; or Mathematics 210 with a grade of C or better, or equivalent. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273

Course Objectives: Application of linear functions, quadratic functions and linear systems to problems. Emphasis on the development of models of real world applications and interpretation of their characteristics.

Text and Related Materials:

- Blitzer, R., **Intermediate Algebra for College Students** (5th Edition)
- TI-30Xa or other scientific calculator (must be capable of log/ln)
- pencil, paper, ruler, graphing paper

Time Commitment: According to the college catalog, page 33, "Students should expect two hours of outside preparation for each one hour spent in class." Thus it is expected that students that take my classes should spend at least 8 hours a week outside of class.

Attendance: Students are expected to attend **all** classes, to be on time and to stay for the entire class period. Any student who misses more than three (3) classes may be dropped by the instructor. Each incidence of tardiness or leaving class early will count as half an absence. If a student decides not to continue with the course, it is the student's responsibility to officially drop the course. *Failure to do so will result in a grade of F for the course.*

Homework: Homework will be assigned and graded. Due dates will be announced in class, but will typically be on a Wednesday. Eight homework assignments will be collected and graded on a 20-point scale. **Late Homework will not be accepted**, but the lowest of these eight grades will be dropped.

Follow these guidelines when completing your homework assignments:

- Homework is due at the beginning of class.
- Work your problems on standard-sized binder paper (graph paper for graphs).
- Staple all pages together before arriving at class.
- Write your name, student ID #, the course name, and section (Math 212 Section 15).
- Circle or highlight the chapter and section number at the top of the page.
- Do all problems in order, number each problem and circle or highlight your answer.
- Show all intermediate work.
- You are expected to check your answers to all odd problems in the back of the book.
- You need not recopy word problems.
- I will randomly pick one problem for each section to grade.

Worksheet: At the end of each lecture day, there will be an open-book, open-note, group work problem sheet. All those credits (at most 5 points) are counted towards next exam.

Quizzes: A quiz will be given every week (either in class or take-home). Nine quizzes will be given and graded on a 20-point scale. **There will be no make-ups for missed quizzes**, but the lowest of these eight grades will be dropped. For each quiz, you can choose to fix all the errors in the quiz to get up to 3 points which will be added to your next quiz. Note that even with the added points you can't get more than 20 points for each quiz.

Error Analysis: After exam 1 and 2, you need to fix all the problems in which you lost points. 20 points for each error analysis.

Exams: Three one-hour exams will be given on the dates listed on the calendar. You are allowed one page of notes (8.5x11 inches both sides) to use during the exam. No makeup exams will be given except for extenuating circumstances with prior notification given to the instructor. The lowest of these three grades will be replaced with the final exam grade (if higher).

Final Exam: A mandatory comprehensive final exam will be given at the end of the quarter. Students may bring one double-sided (8.5"x11") sheet of handwritten notes to the final exam. You may use a scientific calculator in the Final. No graphic calculator or other electronic devices allowed. Any student who misses the final exam will receive a grade of F for the course. **There are no make-ups.**

Grades will be assigned as follows:

3 exams @ 60 points	300 points	90 – 100%	A	648 – 740 points
1 final exam @ 100 points	100 points	80 – 89%	B	576 – 647 points
Quizzes @ 20 points	140 points	70 – 79%	C	504 – 575 points
Error Analysis @10 points	40 points	60 – 69%	D	432 – 503 points
Homework@ 20 points	140 points	0 – 59%	F	below 431 points
Total	720 points			
Extra credit (worksheets)	20 points			

Important dates:

- Apr. 16: Last day to add classes
- Apr. 17: Last day to drop for a full refund
- Apr. 29: Last day to request pass/no pass grade
- May. 27: Last day to drop with a "W"
- Holidays (no class): May. 30
- Jun 21: Final Exam at 4pm

Where to get help:

- Office Hour. Think of it as free tutor!
- The tutorial center is located in S-43.
- Your classmates are an excellent resource. If you don't understand a concept, perhaps a friend in the class can help. You will accomplish more if you work together to learn.

Other:

- Anyone caught cheating on a test or quiz will receive an automatic 0 and be reported to the Dean of the PSME Division. Those caught twice will be expelled from the class with a grade of F.
- Cell phones and beepers are to be turned off and stowed in your backpack. De Anza will enforce all procedures set forth in the Student Standards of Conduct.
- Talking and other disruptions during class will not be tolerated.

A Word about cell phones: It is our expectation that your phone will be turned off and stowed in your purse or backpack during class. They should never be seen while class is in session. If your phone sounds during a quiz or exam, this will be an indication that you are done with the quiz or exam and you risk having your paper taken from you or points deducted.

Testing or other accommodations: If you have a learning or other disability that requires accommodation, please contact either the Educational Diagnostic Center (LCW-110, 408-864-8839) or Disability Student Services (SCS-141, 408-864-8753) to arrange for in-class and/or testing accommodations.

Make sure you pay attention to College dates like the last day to drop a course with No Record, the last day to request a P/NP for a course and the last day to withdraw from a course. See the Schedule of Classes for these dates.

Tentative Course Schedule

(Math 212 -- Spring 2016)

Tuesday	Thursday
Apr. 5th §1.1, §1.2	7th §1.3, §1.4, Quiz
12th §1.5, §1.6	14th §2.1, §2.2, Quiz
19th §2.3, §2.4	21st §2.5, Review, Quiz
25th §3.1	28th §3.2, Exam 1
May. 3rd §4.1, §4.4	5th §4.4, Quiz
9th §5.1, §5.2	12th §5.3, Quiz
17th §5.4	19th §5.5, Review, Quiz
24th §5.6, Exam 2	26th §5.7, §7.1
31st §7.1, §7.7	Jun. 2nd §8.1, Review, Quiz
7th §8.2	9th §8.3, Exam 3
14th §8.3	16th Final Review, Quiz
21st Final: 4:00 PM -- 6:00 PM	23rd No Class

Math 212 Tentative Homework Problems

(EOO—every other odd, like 1, 5, 9, 13,)

- 1.1 1—14 all, 15—25 odd
- 1.2 1—89 EOO, 105—137 EOO
- 1.3 1—24 odd, 47—52 all
- 1.4 1—37 odd
- 1.5 1—9 odd, 19, 21, 33, 35, 39, 43, 49, 51, 55, 57, 59
- 1.6 9, 13, 17, 21, 29, 33, 43, 51, 63, 65, 79, 83, 91, 97, 103, 109
- 2.1 1—15 odd
- 2.2 11—35 odd
- 2.3 1—9 odd, 11—21 odd, 29—41 odd
- 2.4 3, 7, 11, 17—25 odd, 29—35 odd, 47, 55
- 2.5 1, 3, 7, 12, 18, 21, 26
- 3.1 7, 11, 29, 43, 47, 49, 53, 55, 59, 61
- 3.2 1, 3, 13, 27, 29, 35
- 4.1 1—29 odd
- 4.4 7—29 odd
- 5.1 3, 11, 17, 29—49 odd
- 5.2 5—61 EOO, 71, 73
- 5.3 9, 13, 15, 27, 35—41 odd, 47—61 odd,
- 5.4 1—19 odd, 31—57 odd
- 5.5 1—17 odd, 23—29 odd, 39, 49—55 odd, 75—79 odd
- 5.6 1—21 odd
- 5.7 1—23 odd
- 7.1 1—17 all, 33, 35, 47—53 odd, 61, 63, 67, 73
- 7.7 1—53 EOO, 67, 71, 73, 79, 81
- 8.1 1—19 odd, 35—43 odd
- 8.2 1—15 odd, 19, 25, 27, 31—39 odd
- 8.3 9—15 odd, 17, 23, 33, 35